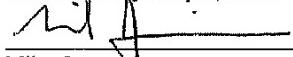


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Milan Jovanovic

Customer Number

**24024**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Baochuan Guo	)	Examiner: Bertagna, Angela Marie
	)	
Serial No.: 10/611,629	)	Art Unit: 1637
	)	
Filed: 7/1/2003	)	Confirmation No.: 1402
	)	
For: <b>METHOD FOR DETECTING MUTATED POLYNUCLEOTIDES WITHIN A LARGE POPULATION OF WILD- TYPE POLYNUCLEOTIDES</b>	)	Attorney Docket No.: 27433/04012
	)	

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Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B forms and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

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Respectfully submitted,

*Billy C. Raulerson*

Date: April 13, 2007

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/611,629
		Filing Date	7/1/2003
		First Named Inventor	Baochuan Guo
		Art Unit	1637
		Examiner Name	Bertagna, Angela Marie
Sheet	1	of	1
		Attorney Docket Number	
		27433/04012	

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional).<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
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(Use as many sheets as necessary)

Sheet	1	of	1	Attorney Docket Number	27433/04012
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		JEFFREYS et al., DNA Enrichment by Allele-Specific Hybridization (DEASH): A Novel Method for Haplotyping and for Detecting Low-Frequency Base Substitutional Variants and Recombinant DNA Molecules, Genome Res., 13: 2316-2324 (2003).	
		TRAVERSO et al., Detection of APC Mutations in Fecal DNA from Patients with Colorectal Tumors, N. Engl. J. Med., Vol. 346, No. 5, 311-320, January 31, 2002.	
		KURRECK et al., Design of antisense oligonucleotides stabilized by locked nucleic acids, Nuc. Acids Res., Vol. 30, No. 9, 1911-1918, (2002).	
		BRAASCH et al., Antisense inhibition of gene expression in cells by oligonucleotides incorporating locked nucleic acids: effect of mRNA target sequence and chimera design, Nuc. Acids Res., Vol. 30, No. 23, 5160-5167, (2002).	
		DONG et al., Detecting Colorectal Cancer in Stool With the Use of Multiple Genetic Targets, J. of the National Cancer Institute, Vol. 93, No. 11, 858-865, June 6, 2001.	
		SUN et al., A new MALDI-TOF based mini-sequencing assay for genotyping of SNPs, Nuc. Acids Res., Vol. 28, No. 12, e68, (2000).	
		LIN et al., Multiplex genotype determination at a large number of gene loci, Proc. Natl. Acad. Sci. USA, Vol. 93, 2582-2587, March 1996.	

Examiner Signature	Date Considered
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.  
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